

```
Text[Style[
  "-----", Green, 14]]
Text[Style["In The Name Of GOD , The Most Beneficent , The Most Merciful",
  RGBColor["#00a00b"], 14]]
Text[Style["-----",
  Green, 14]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
Text[Style["Limit Revolution , First Example", RGBColor["#2980b9"], 30]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
```

```
Text[Style["Step 1 : Defining The Integer Part Function.", RGBColor["#2980b9"], 14]]
```

```
Intg = Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

```
Text[Style["Step 2 : Defining The Main Function That We Want To Find It,s Limit.",
  RGBColor["#2980b9"], 14]]
```

```
F = Function[{x},  $\frac{\text{Intg}[x]}{x}$ ]
```

```
Text[Style["Step 3 : Transformed Function Chart", RGBColor["#2980b9"], 14]]
```

```
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
  RGBColor["#2980b9"], 14]]
```

```
P001 = Plot[{ArcTan[Intg[Tan[x]]] / ArcTan[Tan[x]]},
  {x, -Pi / 2, Pi / 2}, PlotRange → {-Pi / 2, Pi / 2}, Frame → True]
```

```
Text[Style["Step 4 : The Y=(Limit Answer) Chart.", RGBColor["#2980b9"], 14]]
```

```
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
  RGBColor["#2980b9"], 14]]
```

```
P002 = Plot[{ArcTan[Intg[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]] / ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]},
  {x, - $\frac{\pi}{2}$ ,  $\frac{\pi}{2}$ }, PlotRange → {- $\frac{\pi}{2}$ ,  $\frac{\pi}{2}$ }, Frame → True]
```

```
Text[Style["Step 5 : Ploting The Two Previous Functions On The Same Graphics Row.",
  RGBColor["#2980b9"], 14]]
```

```
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
  RGBColor["#2980b9"], 14]]
```

```
P003 = Plot[{ArcTan[Intg[Tan[x]]] / ArcTan[Tan[x]],
  ArcTan[Intg[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]] / ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]},
  {x, - $\frac{\pi}{2}$ ,  $\frac{\pi}{2}$ }, PlotRange → {- $\frac{\pi}{2}$ ,  $\frac{\pi}{2}$ }, Frame → True]
```

```
Text[
```

```
Style["Step 6 : Ploting The Transformed Function And The Y=(Limit Answer) And Two
Previous Functions On The Same Plot.", RGBColor["#2980b9"], 14]]
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]
```

```
GraphicsRow[{P001, P002, P003}, Frame → All]
```

```
Text[Style[
"Step 7 : Printing The Result of Limit[ $\frac{\text{Intg}[x]}{x}, x \rightarrow +\text{Infinity}$ ] Using New Methods .",
RGBColor["#2980b9"], 14]]
```

```
ArcTan[Intg[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]] / ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]]
```

In The Name Of GOD , The Most Beneficent , The Most Merciful

Limit Revolution , First Example

Step 1 : Defining The Integer Part Function.

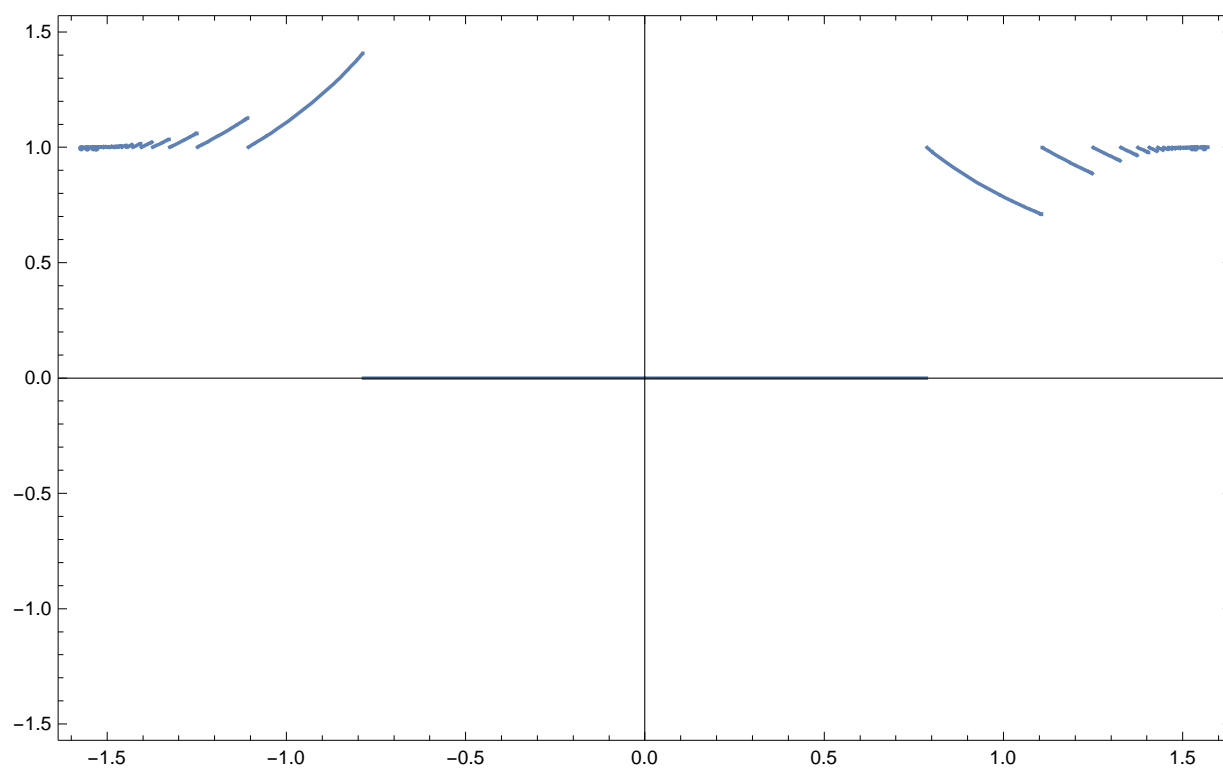
```
Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

Step 2 : Defining The Main Function That We Want To Find It,s Limit.

```
Function[{x},  $\frac{\text{Intg}[x]}{x}$ ]
```

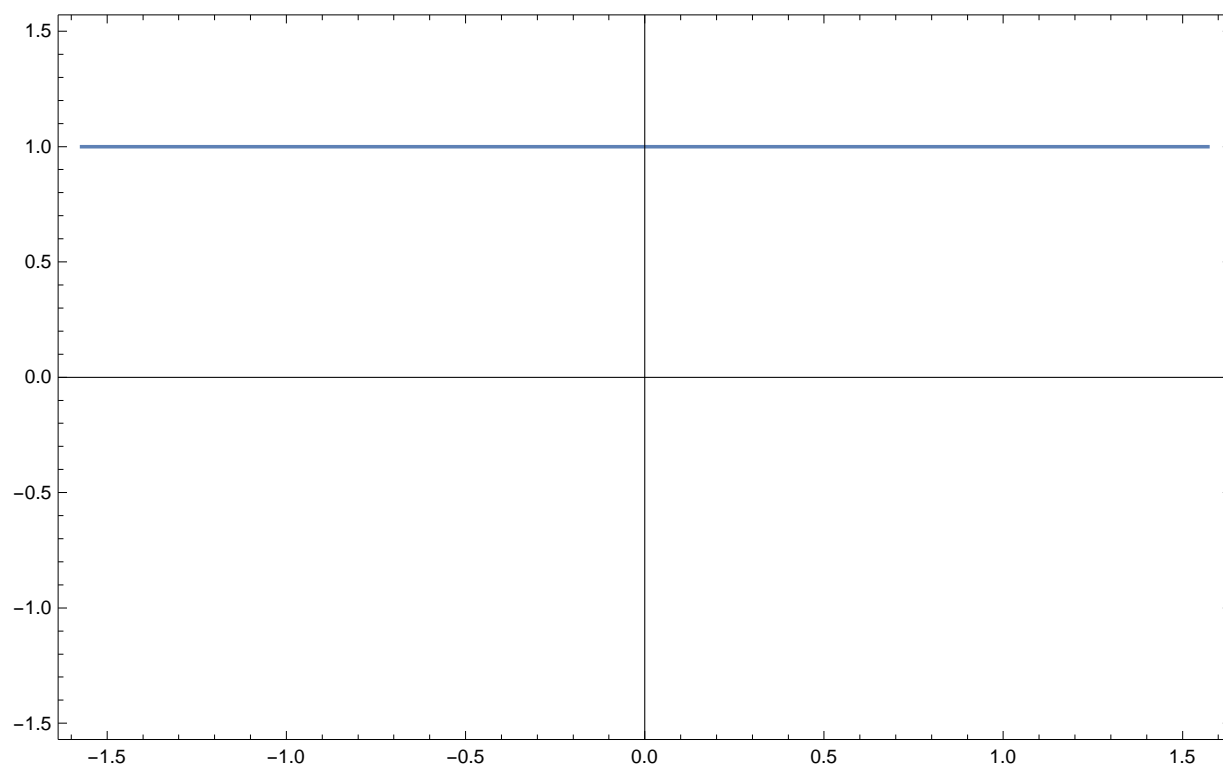
Step 3 : Transformed Function Chart

Please Read The Infinity Plot And It,s Applications Theory



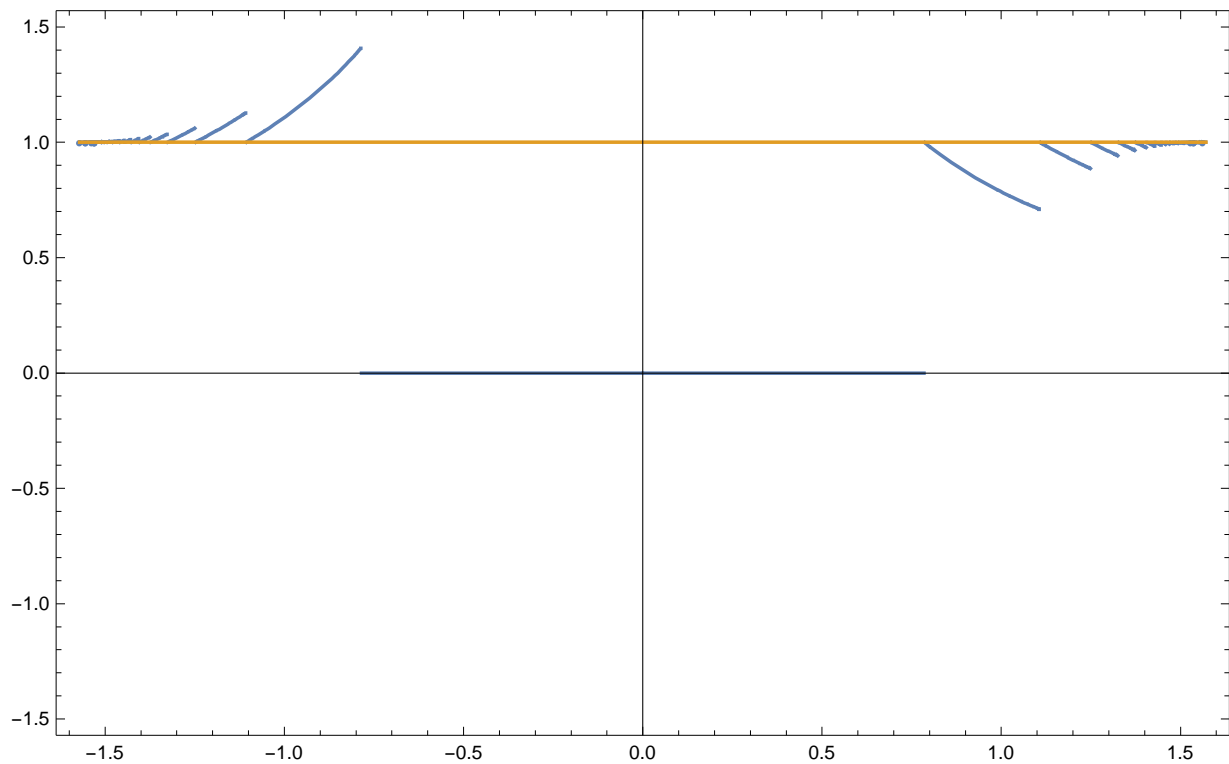
Step 4 : The $Y=(\text{Limit Answer})$ Chart.

Please Read The Infinity Plot And It,s Applications Theory



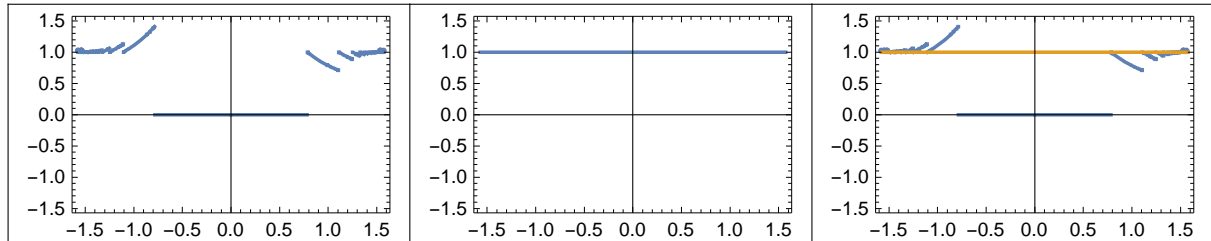
Step 5 : Ploting The Two Previous Functions On The Same Graphics Row.

Please Read The Infinity Plot And It,s Applications Theory



Step 6 : Ploting The Transformed Function And The
 $Y=(\text{Limit Answer})$ And Two Previous Functions On The Same Plot.

Please Read The Infinity Plot And It,s Applications Theory



Step 7 : Printing The Result of $\text{Limit}\left[\frac{\text{Intg}[x]}{x}, x \rightarrow +\text{Infinity}\right]$ Using New Methods .

1.

```
Text[Style[
  "-----", Green, 14]]
Text[Style["In The Name Of GOD , The Most Beneficent , The Most Merciful",
  RGBColor["#00a00b"], 14]]
Text[Style["-----",
  Green, 14]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
Text[Style["Limit Revolution , Second Example", RGBColor["#2980b9"], 30]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
```

```
Text[Style["Step 1 : Defining The Integer Part Function.", RGBColor["#2980b9"], 14]]
```

```
Intg = Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

Text[Style["Step 2 : Defining The Main Function That We Want To Find It,s Limit.",
RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$G = \text{Function}\left[\{x\}, \frac{\text{Intg}[x]^{\sin[x]}}{x}\right]$$

Text[Style["Step 3 : Transformed Function Chart", RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$P001 = \text{Plot}\left[\left\{\frac{\text{ArcTan}[\text{Intg}[\text{Tan}[x]]]^{\text{ArcTan}[\text{Sin}[\text{Tan}[x]]]}}{\text{ArcTan}[\text{Tan}[x]]}\right\},\right. \\ \left.\{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}, \text{Frame} \rightarrow \text{True}\right]$$

Text[Style["Step 4 : The Y=(Limit Answer) Chart.", RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$P002 = \text{Plot}\left[\left\{\frac{\text{ArcTan}\left[\text{Intg}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]\right]^{\text{ArcTan}[\text{Sin}[\text{Tan}[\frac{\pi}{2} - 0.01 * 10^{-300}]]]}}{\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]}\right\}, \{x, -\text{Pi} / 2, \text{Pi} / 2\},\right. \\ \left.\text{PlotRange} \rightarrow \{-\pi / 2, \pi / 2\}, \text{Frame} \rightarrow \text{True}, \text{Frame} \rightarrow \text{True}\right]$$

Text[Style["Step 5 : Plotting The Two Previous Functions On The Same Plot.",
RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$P003 = \text{Plot}\left[\left\{\frac{\text{ArcTan}[\text{Intg}[\text{Tan}[x]]]^{\text{ArcTan}[\text{Sin}[\text{Tan}[x]]]}}{\text{ArcTan}[\text{Tan}[x]]},\right. \right. \\ \left. \frac{\text{ArcTan}\left[\text{Intg}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]\right]^{\text{ArcTan}[\text{Sin}[\text{Tan}[\frac{\pi}{2} - 0.01 * 10^{-300}]]]}}{\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]},\right. \\ \left.\{x, -\text{Pi} / 2, \text{Pi} / 2\}, \text{PlotRange} \rightarrow \{-\pi / 2, \pi / 2\}, \text{Frame} \rightarrow \text{True}\right]$$

Text[

Style["Step 6 : Plotting The Transformed Function And The Y=(Limit Answer) And Two
Previous Functions On The Same Graphics Row.", RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

GraphicsRow[{P001, P002, P003}, Frame → All]

```
Text[
  Style["Step 7 : Printing The Result of Limit[ $\frac{\text{Intg}[x]^{\text{Sin}[x]}}{x}$ ,  $x \rightarrow +\text{Infinity}$ ] Using New
    Methods .", RGBColor["#2980b9"], 14]]
```

```
ArcTan[Intg[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]] ^ ArcTan[Sin[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]] /
  ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]
```

In The Name Of GOD , The Most Beneficent , The Most Merciful

Limit Revolution , Second Example

Step 1 : Defining The Integer Part Function.

```
Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

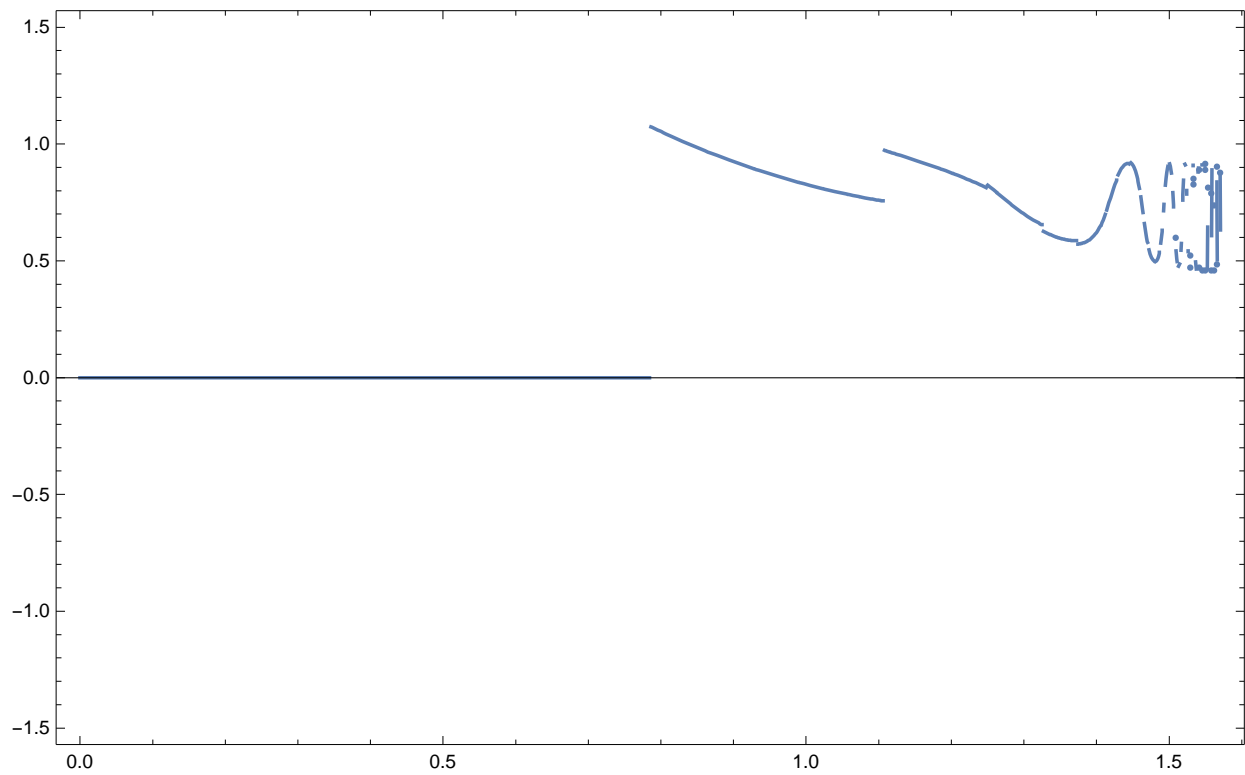
Step 2 : Defining The Main Function That We Want To Find It,s Limit.

Please Read The Infinity Plot And It,s Applications Theory

```
Function[{x},  $\frac{\text{Intg}[x]^{\text{Sin}[x]}}{x}$ ]
```

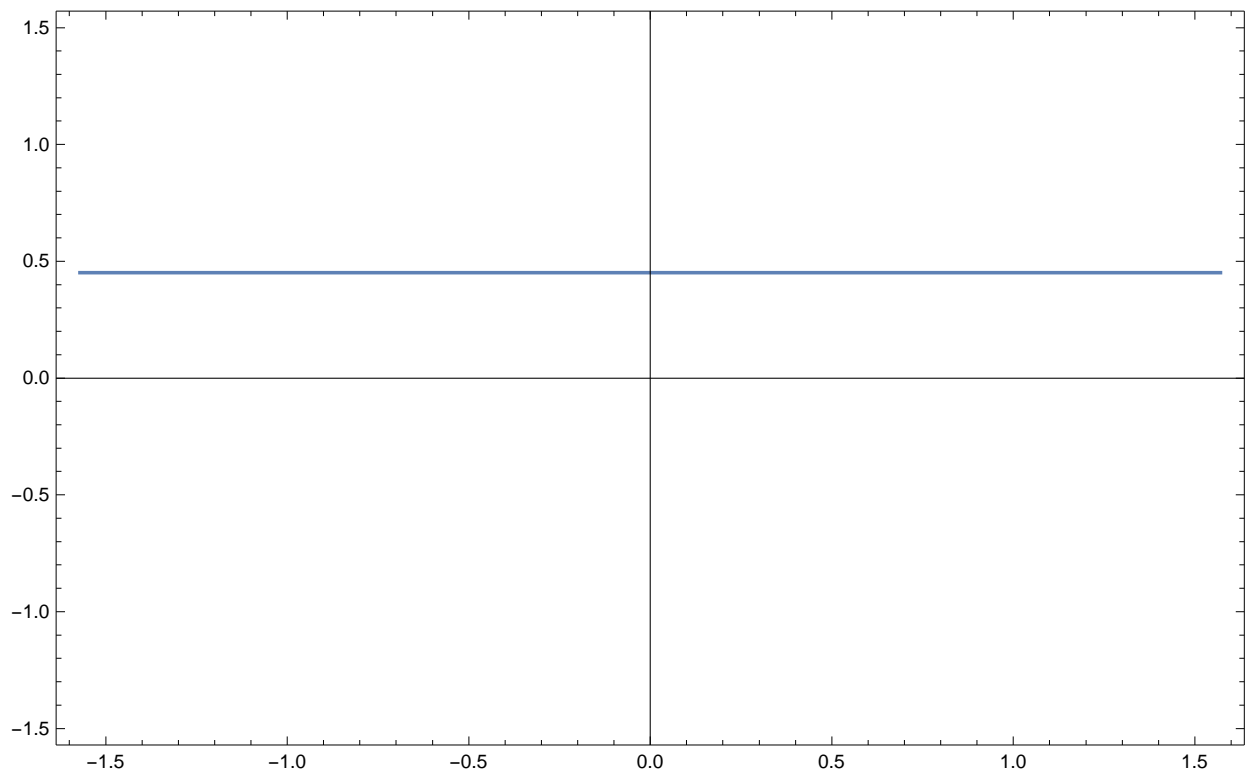
Step 3 : Transformed Function Chart

Please Read The Infinity Plot And It,s Applications Theory



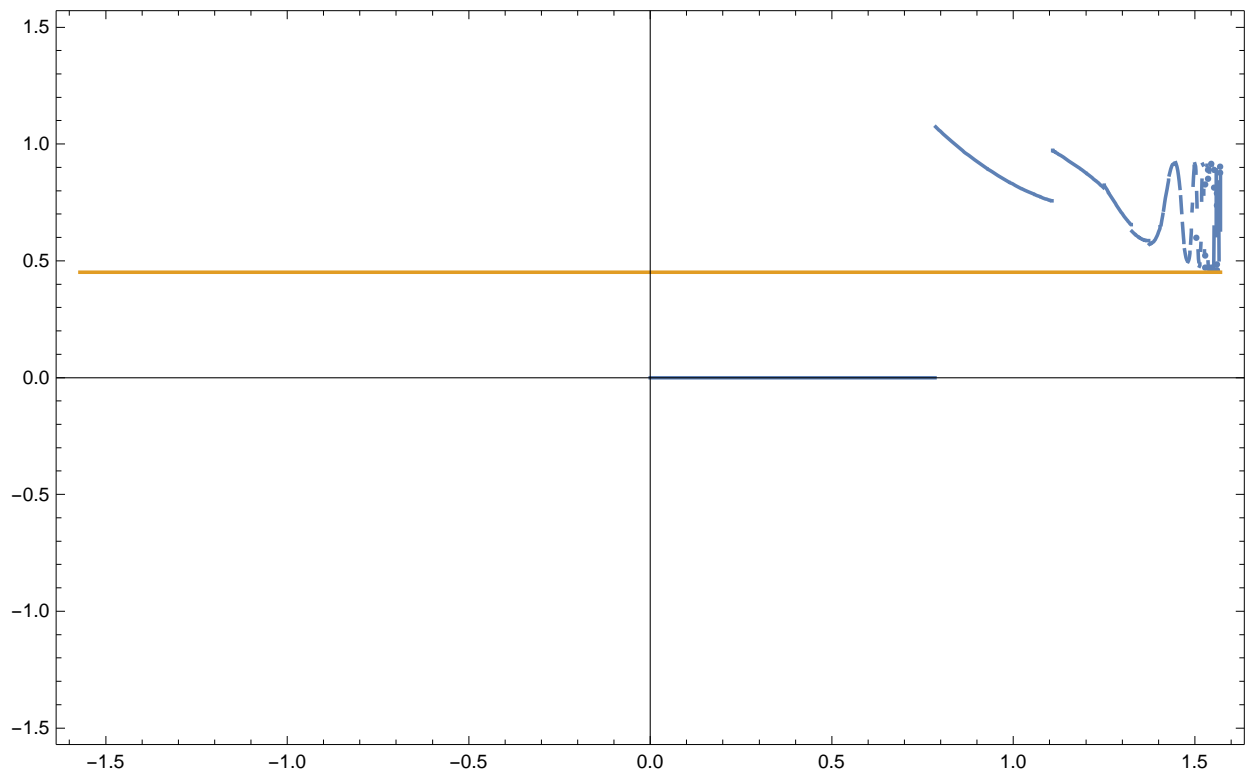
Step 4 : The $Y=(\text{Limit Answer})$ Chart.

Please Read The Infinity Plot And It,s Applications Theory



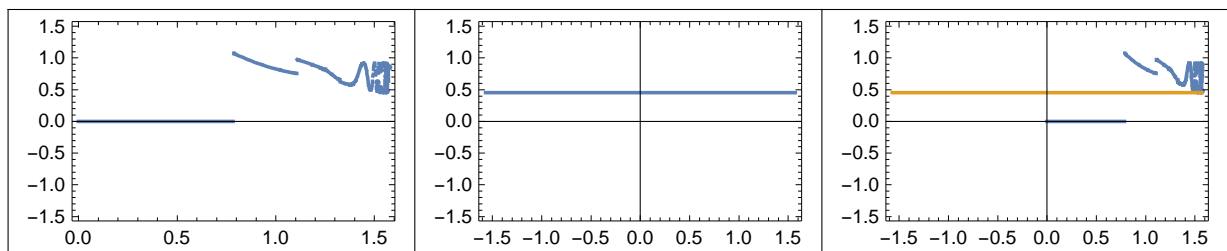
Step 5 : Ploting The Two Previous Functions On The Same Plot.

Please Read The Infinity Plot And It,s Applications Theory



Step 6 : Ploting The Transformed Function And The Y=(Limit Answer) And Two Previous Functions On The Same Graphics Row.

Please Read The Infinity Plot And It,s Applications Theory



Step 7 : Printing The Result of Limit[$\frac{\text{Intg}[x]^{\text{Sin}[x]}}{x}, x \rightarrow +\text{Infinity}]$ Using New Methods .

0.450799

```
Text[Style[
  "-----", Green, 14]]
Text[Style["In The Name Of GOD , The Most Beneficent , The Most Merciful",
  RGBColor["#00a00b"], 14]]
Text[Style["-----",
  Green, 14]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
Text[Style["Limit Revolution , Third Example", RGBColor["#2980b9"], 30]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
```

```
Text[Style["Step 1 : Defining The Integer Part Function.", RGBColor["#2980b9"], 14]]
```

```
Intg = Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```


Text[Style["Step 2 : Defining The Main Function That We Want To Find It,s Limit.",
RGBColor["#2980b9"], 14]]

$$H = \text{Function}\left[\{x\}, \frac{\text{Intg}[x]^{x^x}}{x^x}\right]$$

Text[Style["Step 3 : Transformed Function Chart", RGBColor["#2980b9"], 14]]
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

P001 = Plot[$\left\{\left(\text{ArcTan}[\text{Intg}[\text{Tan}[x]]\right)^{\text{ArcTan}[\text{Tan}[x]]^{\text{ArcTan}[\text{Tan}[x]]}} / \right.$
 $\left.\text{ArcTan}[\text{Tan}[x]]^{\text{ArcTan}[\text{Tan}[x]]}\right\}, \{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}]$

Text[Style["Step 4 : The Y=(Limit Answer) Chart.", RGBColor["#2980b9"], 14]]
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

P002 = Plot[$\left\{\left(\text{ArcTan}\left[\text{Intg}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]\right)\right)^{\right.$
 $\left.\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]^{\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]} / \right.$
 $\left.\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]^{\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]}\right\},$
 $\{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}]$

Text[Style["Step 5 : Ploting The Two Previous Functions On The Same Plot.",
RGBColor["#2980b9"], 14]]
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

P003 =
Plot[$\left\{\left(\text{ArcTan}[\text{Intg}[\text{Tan}[x]]\right)^{\text{ArcTan}[\text{Tan}[x]]^{\text{ArcTan}[\text{Tan}[x]]}} / \right.$
 $\left.\text{ArcTan}[\text{Tan}[x]]^{\text{ArcTan}[\text{Tan}[x]]}, \text{ArcTan}\left[\text{Intg}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]\right)^{\right.$
 $\left.\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]^{\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]} / \right.$
 $\left.\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]^{\text{ArcTan}\left[\text{Tan}\left[\frac{\pi}{2} - 0.01 * 10^{-300}\right]\right]}\right\},$
 $\{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}]$

Text[
Style["Step 6 : Ploting The Transformed Function And The Y=(Limit Answer) And Two
Previous Functions On The Same Graphics Row.", RGBColor["#2980b9"], 14]]
Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

```
GraphicsRow[{P001, P002, P003}, Frame → All]
```

```
Text[Style[
```

```
"Step 7 : Printing The Result of Limit[ $\frac{\text{Intg}[x]^{x^x}}{x^x}$ , x→+Infinity] Using New Methods .",
  RGBColor["#2980b9"], 14]]
```

```
ArcTan[Intg[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]]] ^
```

```
ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]] ^ ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]] /
```

```
ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]] ^ ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]
```

In The Name Of GOD , The Most Beneficent , The Most Merciful

Limit Revolution , Third Example

Step 1 : Defining The Integer Part Function.

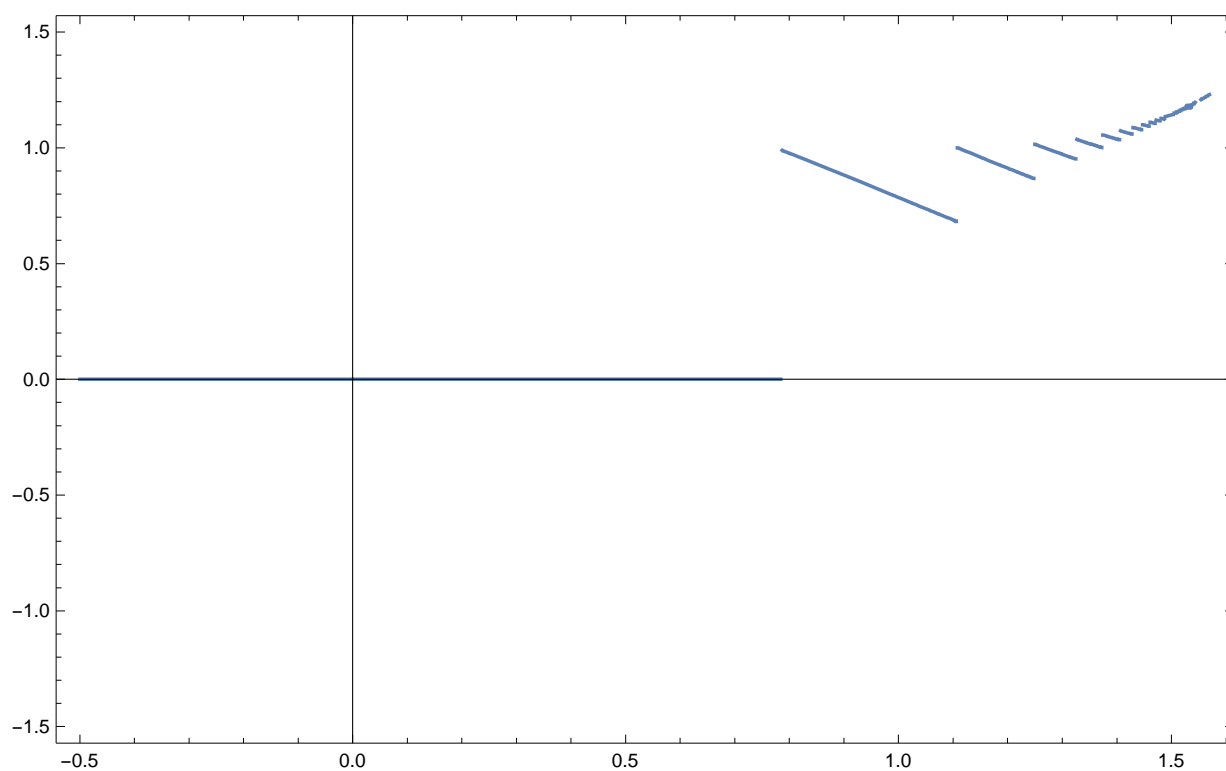
```
Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

Step 2 : Defining The Main Function That We Want To Find It,s Limit.

```
Function[{x},  $\frac{\text{Intg}[x]^{x^x}}{x^x}$ ]
```

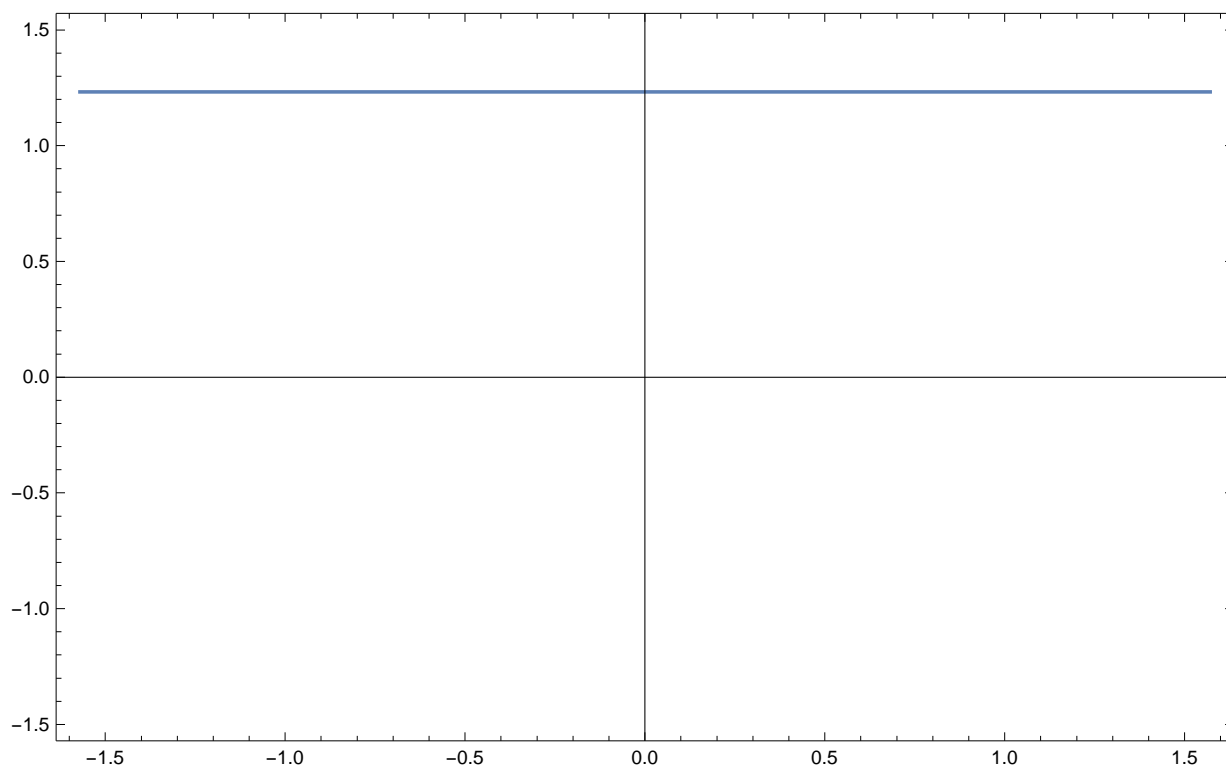
Step 3 : Transformed Function Chart

Please Read The Infinity Plot And It,s Applications Theory



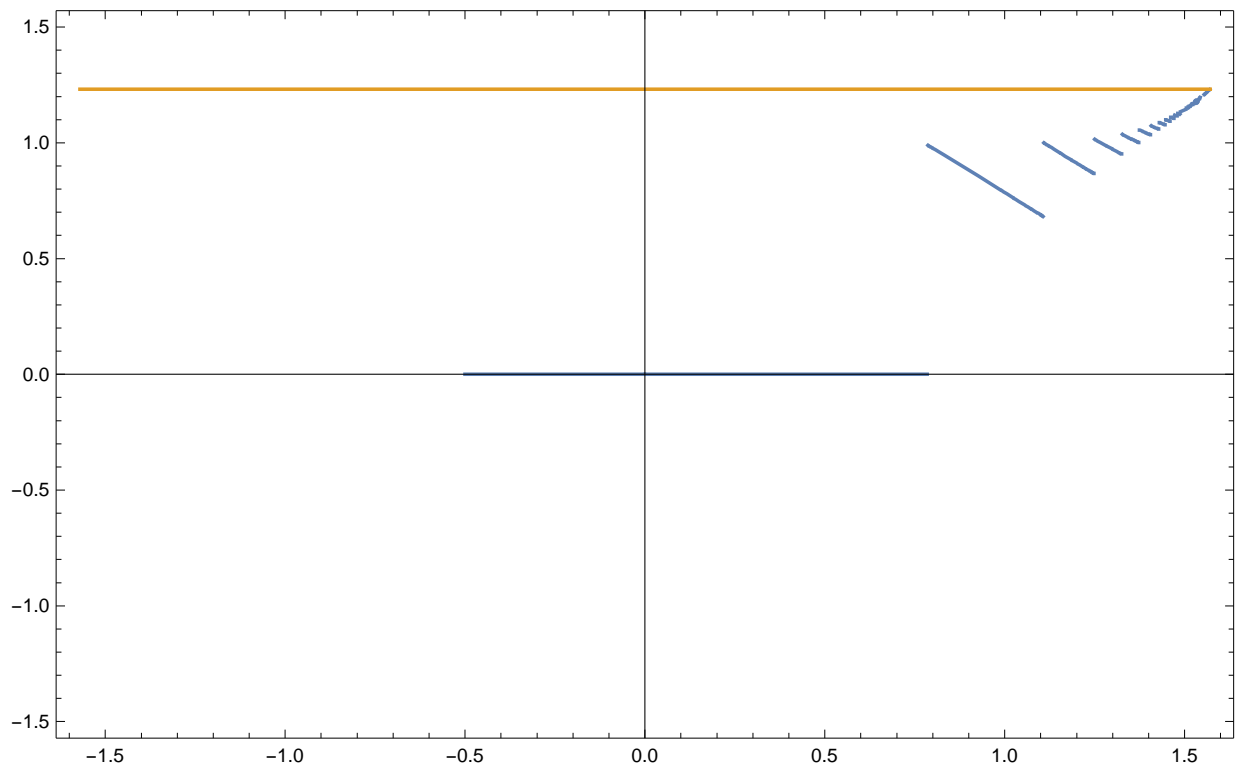
Step 4 : The $Y=(\text{Limit Answer})$ Chart.

Please Read The Infinity Plot And It,s Applications Theory



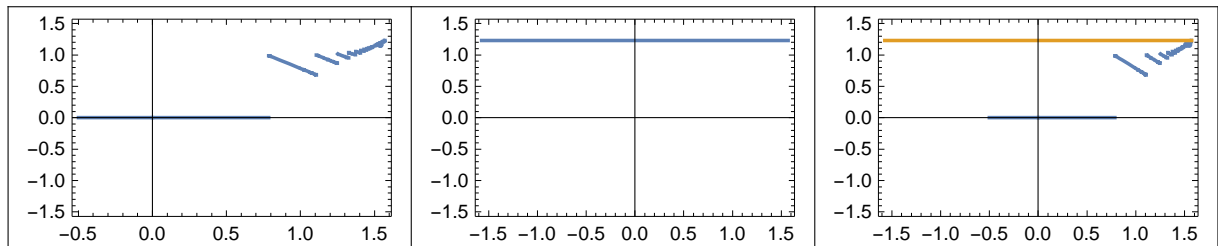
Step 5 : Ploting The Two Previous Functions On The Same Plot.

Please Read The Infinity Plot And It,s Applications Theory



Step 6 : Ploting The Transformed Function And The $Y=(\text{Limit Answer})$ And Two Previous Functions On The Same Graphics Row.

Please Read The Infinity Plot And It,s Applications Theory



Step 7 : Printing The Result of $\text{Limit}\left[\frac{\text{Intg}[x]^{x^x}}{x^x}, x \rightarrow +\text{Infinity}\right]$ Using New Methods .

1.23191

```
Text[Style[
  "-----", Green, 14]]
Text[Style["In The Name Of GOD , The Most Beneficent , The Most Merciful",
  RGBColor["#00a00b"], 14]]
Text[Style["-----",
  Green, 14]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
Text[Style["Limit Revolution , Fourth Example", RGBColor["#2980b9"], 30]]
Text[Style["-----",
  RGBColor["#2980b9"], 14]]
```

```
Text[Style["Step 1 : Defining The Integer Part Function.", RGBColor["#2980b9"], 14]]
```

```
Intg = Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

Text[Style["Step 2 : Defining The Main Function That We Want To Find It,s Limit.",
RGBColor["#2980b9"], 14]]

$$J = \text{Function}\left[\{x\}, \frac{\text{Intg}[x]^x}{x^x \times \sin[x]}\right]$$

Text[Style["Step 3 : Transformed Function Chart", RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$P001 = \text{Plot}\left[\left\{\frac{\text{ArcTan}[\text{Intg}[\tan[x]]]^{\text{ArcTan}[\tan[x]]}}{\text{ArcTan}[\tan[x]]^{\text{ArcTan}[\tan[x]]}} \times \text{ArcTan}[\sin[\tan[x]]]\right\}, \{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}\right]$$

Text[Style["Step 4 : The Y=(Limit Answer) Chart.", RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$P002 = \text{Plot}\left[\left\{\frac{\text{ArcTan}[\text{Intg}[\tan[\left(\frac{\pi}{2} - 0.01 \times 10^{-300}\right)]]]^{\text{ArcTan}[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]}}{\text{ArcTan}[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]^{\text{ArcTan}[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]}} \times \text{ArcTan}[\sin[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]]\right\}, \{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}\right]$$

Text[Style["Step 5 : Ploting The Two Previous Functions On The Same Plot.",
RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

$$P003 = \text{Plot}\left[\left\{\frac{\text{ArcTan}[\text{Intg}[\tan[x]]]^{\text{ArcTan}[\tan[x]]}}{\text{ArcTan}[\tan[x]]^{\text{ArcTan}[\tan[x]]}} \times \text{ArcTan}[\sin[\tan[x]]]\right\}, \left\{\frac{\text{ArcTan}[\text{Intg}[\tan[\left(\frac{\pi}{2} - 0.01 \times 10^{-300}\right)]]]^{\text{ArcTan}[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]}}{\text{ArcTan}[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]^{\text{ArcTan}[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]}} \times \text{ArcTan}[\sin[\tan[\frac{\pi}{2} - 0.01 \times 10^{-300}]]]\right\}\right], \{x, -\frac{\pi}{2}, \frac{\pi}{2}\}, \text{PlotRange} \rightarrow \left\{-\frac{\pi}{2}, \frac{\pi}{2}\right\}, \text{Frame} \rightarrow \text{True}\right]$$

Text[

Style["Step 6 : Ploting The Transformed Function And The Y=(Limit Answer) And Two
Previous Functions On The Same Graphics Row.", RGBColor["#2980b9"], 14]]

Text[Style["Please Read The Infinity Plot And It,s Applications Theory",
RGBColor["#2980b9"], 14]]

```
GraphicsRow[{P001, P002, P003}, Frame -> All]
```

```
Text[Style["Step 7 : Printing The Result of
```

```
Limit[ $\frac{\text{Intg}[x]^x}{x^x \times \text{Sin}[x]}$ , x -> +Infinity] Using New Methods .", RGBColor["#2980b9"], 14]]
```

```
ArcTan[Intg[Tan[ $\left(\frac{\pi}{2} - 0.01 * 10^{-300}\right)$ ]]]]^ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]] /
ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]] ^ ArcTan[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]] x
ArcTan[Sin[Tan[ $\frac{\pi}{2} - 0.01 * 10^{-300}$ ]]]]
```

In The Name Of GOD , The Most Beneficent , The Most Merciful

Limit Revolution , Fourth Example

Step 1 : Defining The Integer Part Function.

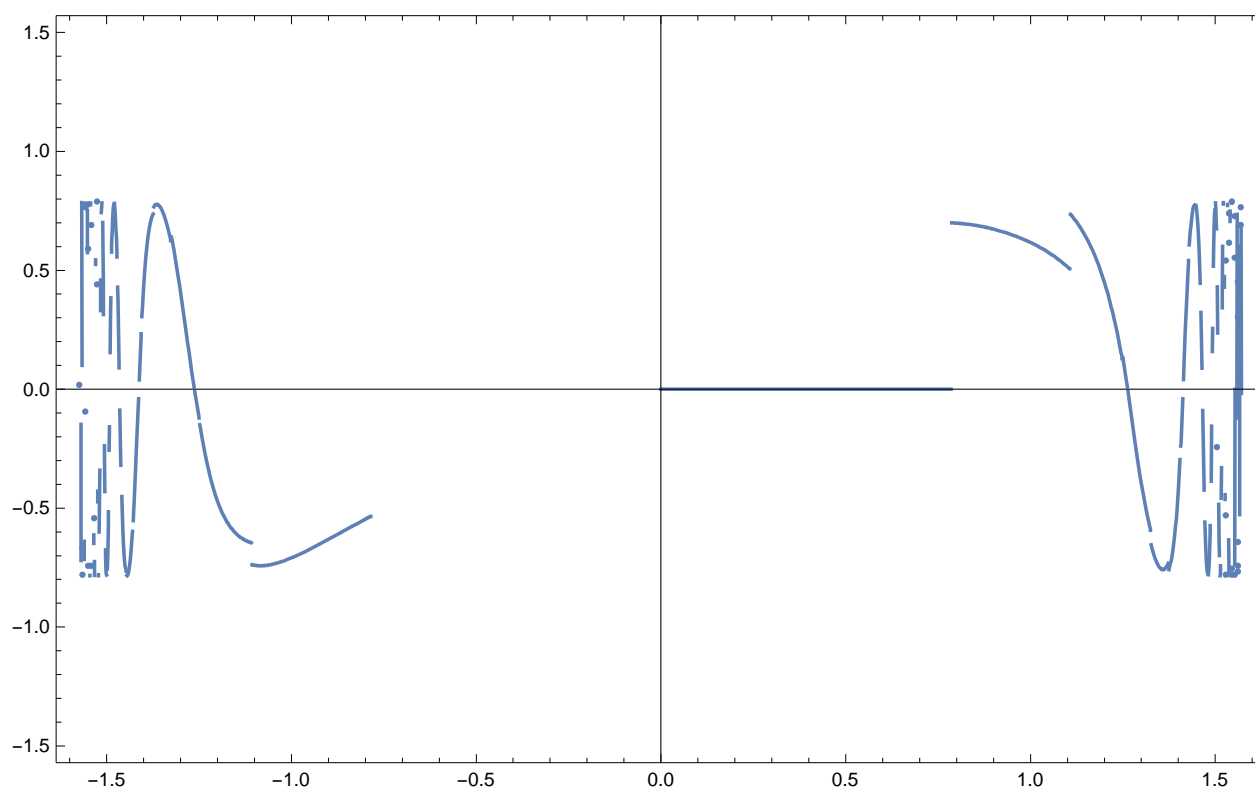
```
Function[{x}, If[IntegerPart[x] ≥ 0, IntegerPart[x], IntegerPart[x] - 1]]
```

Step 2 : Defining The Main Function That We Want To Find It,s Limit.

```
Function[{x},  $\frac{\text{Intg}[x]^x}{x^x \text{Sin}[x]}$ ]
```

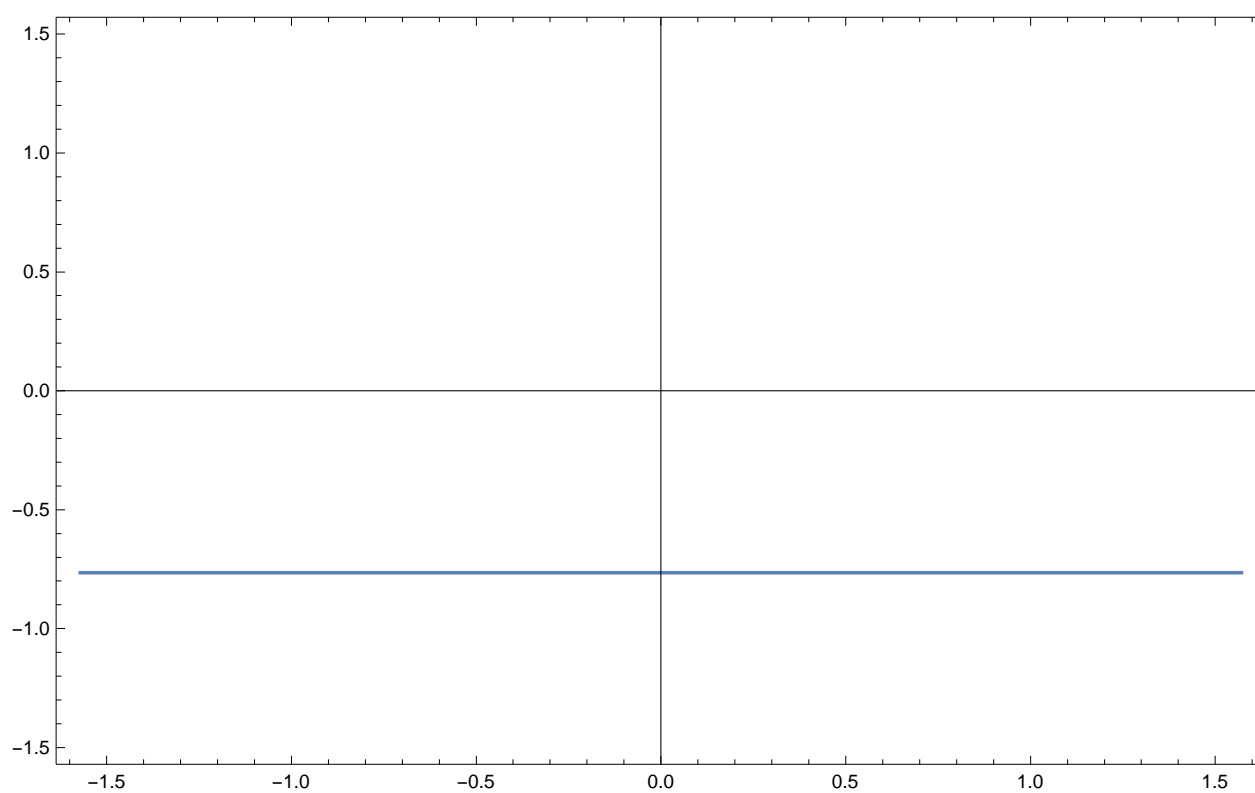
Step 3 : Transformed Function Chart

Please Read The Infinity Plot And It,s Applications Theory



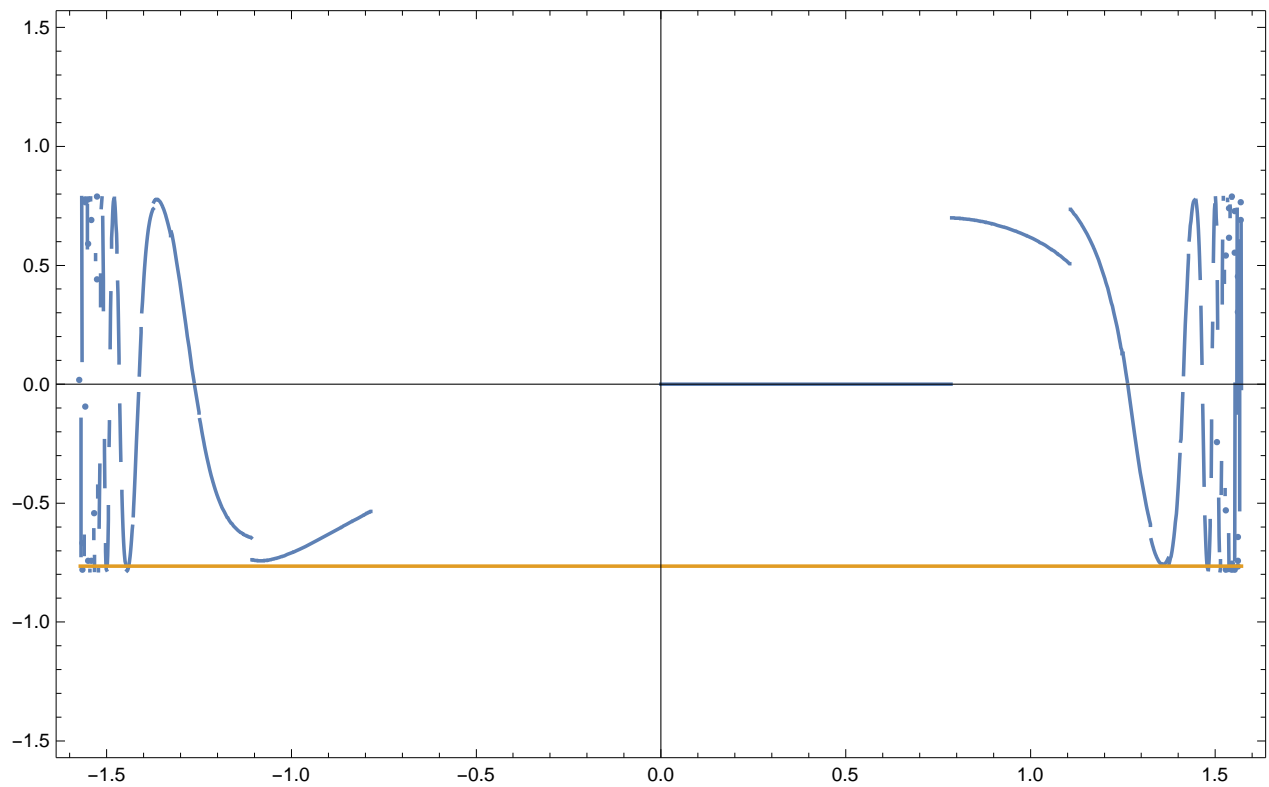
Step 4 : The $Y=(\text{Limit Answer})$ Chart.

Please Read The Infinity Plot And It,s Applications Theory



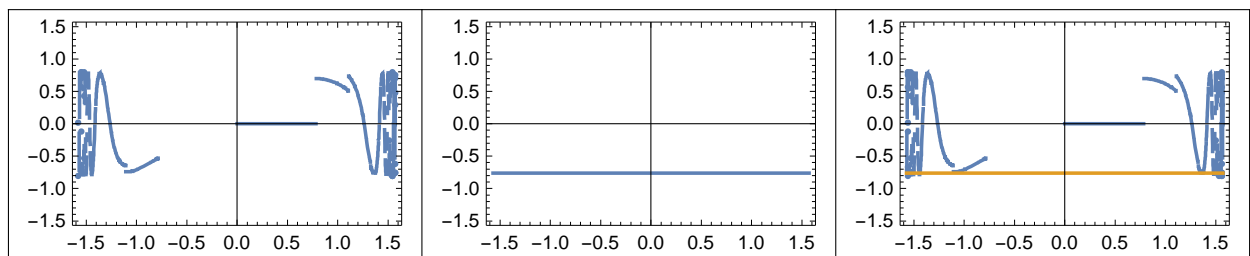
Step 5 : Ploting The Two Previous Functions On The Same Plot.

Please Read The Infinity Plot And It,s Applications Theory



Step 6 : Plotting The Transformed Function And The $Y=(\text{Limit Answer})$ And Two Previous Functions On The Same Graphics Row.

Please Read The Infinity Plot And It,s Applications Theory



Step 7 : Printing The Result of $\text{Limit}\left[\frac{\text{Intg}[x]^x}{x^x \times \text{Sin}[x]}, x \rightarrow +\text{Infinity}\right]$ Using New Methods .

- 0.764314